

OCT 29 1982

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

DPM5094-1

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME KOLENE CORPORATION		EMERGENCY TELEPHONE NO. (313) 273-9220
ADDRESS (Number, Street, City, State, and ZIP Code) 12890 Westwood Avenue, Detroit, Michigan 48223		
CHEMICAL NAME AND SYNONYMS Cleaning chemicals		TRADE NAME AND SYNONYMS Alko
CHEMICAL FAMILY Caustic alkali	FORMULA KOH, KNO₃, H₂O	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

	%	TLV (Units)
Potassium Hydroxide	65-85% Wt.	
Potassium nitrate	10-20% Wt.	
Water	5-15% Wt.	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	585	SPECIFIC GRAVITY (H ₂ O=1)	2
VAPOR PRESSURE (mm Hg.)	0	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR White Granular odorless solid			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	LeI	UeI
		N.A.	N.A.	N.A.
EXTINGUISHING MEDIA Carbon dioxide and dry powders in vicinity of molten salts.				
SPECIAL FIRE FIGHTING PROCEDURES Avoid vaporizing liquids, water, and acid compounds in salt baths.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Water or volatile liquids in molten salt baths may cause explosive formation of steam.				

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

2 mg/m³ of air.

EFFECTS OF OVEREXPOSURE

Effects of contact range from irritation to severe destruction of tissues.

EMERGENCY AND FIRST AID PROCEDURES

Flood affected surfaces with warm water for at least 15 minutes and
contact a physician.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

X

Overheating above 1000°F.

INCOMPATIBILITY (Materials to avoid)

Water, acids, reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

None likely below 1000°F. Nitrogen oxides possible above this temperature.

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

N.A.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep or shovel solid material into metal containers.
Avoid personal contact. Rinse or hose area well.

WASTE DISPOSAL METHOD

Dissolve in cold water and neutralize with acid.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Dust mask when handling solid salt.

VENTILATION

LOCAL EXHAUST

Forced exhaust over salt bath

MECHANICAL (General)

Required

SPECIAL

OTHER

PROTECTIVE GLOVES

Rubber for solid salt

EYE PROTECTION

Face shield

OTHER PROTECTIVE EQUIPMENT

Heat-proof gloves and appropriate apparel for molten salt.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a dry area. Avoid contact of salt with acids..

Keep drums closed when not in use.

OTHER PRECAUTIONS

Avoid bodily contact.